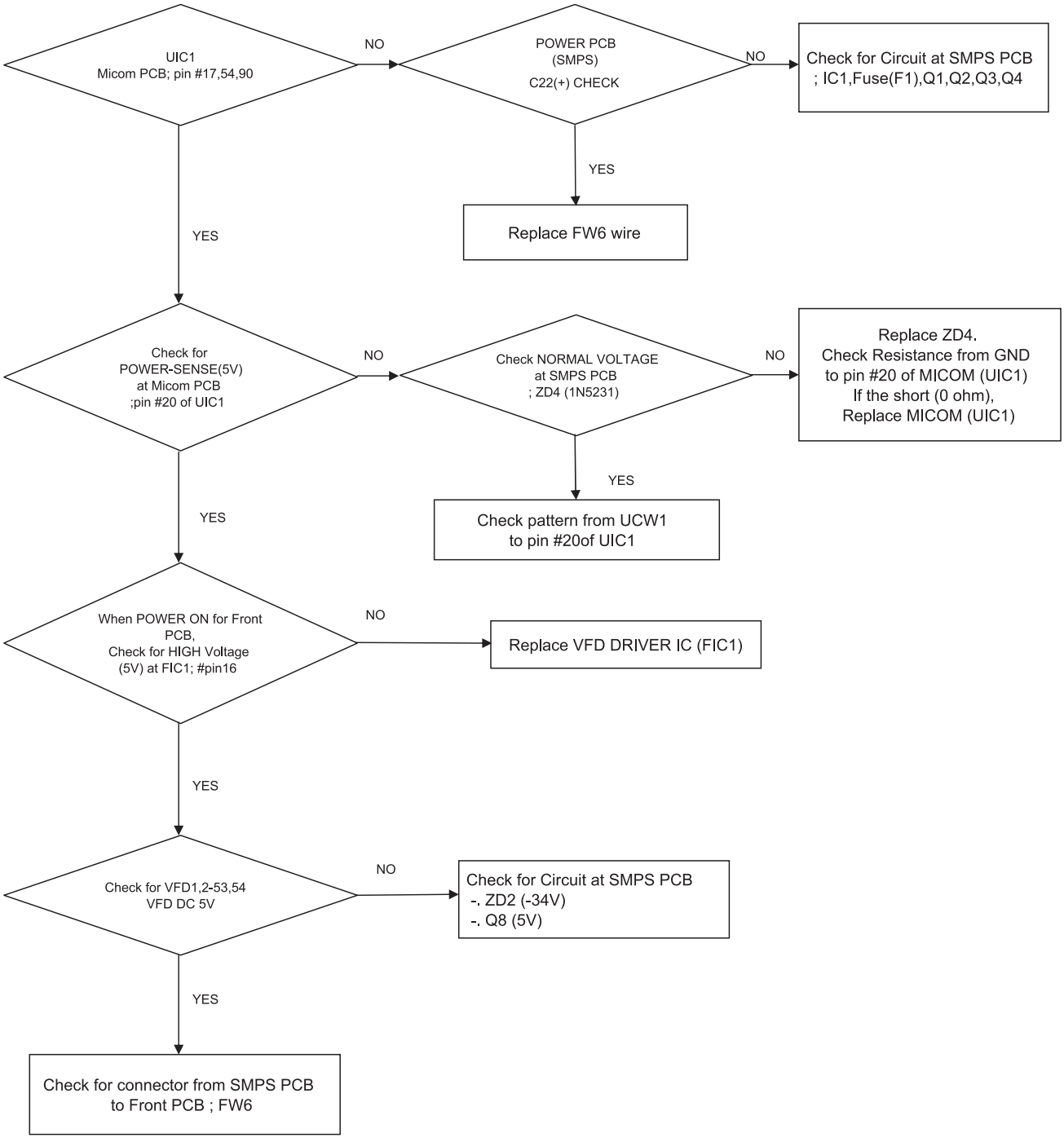
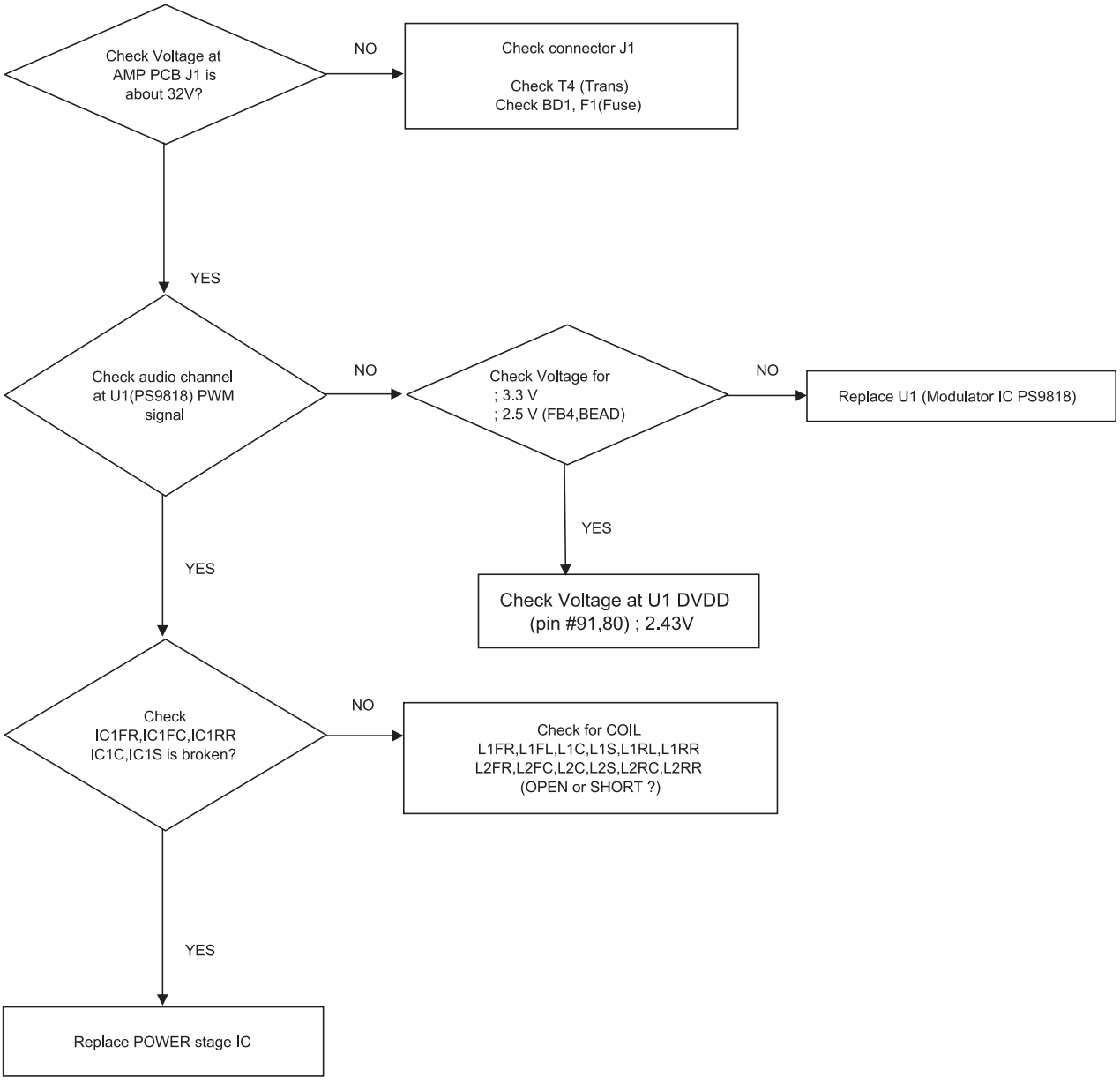
8. TroubleShooting

8-1 Main

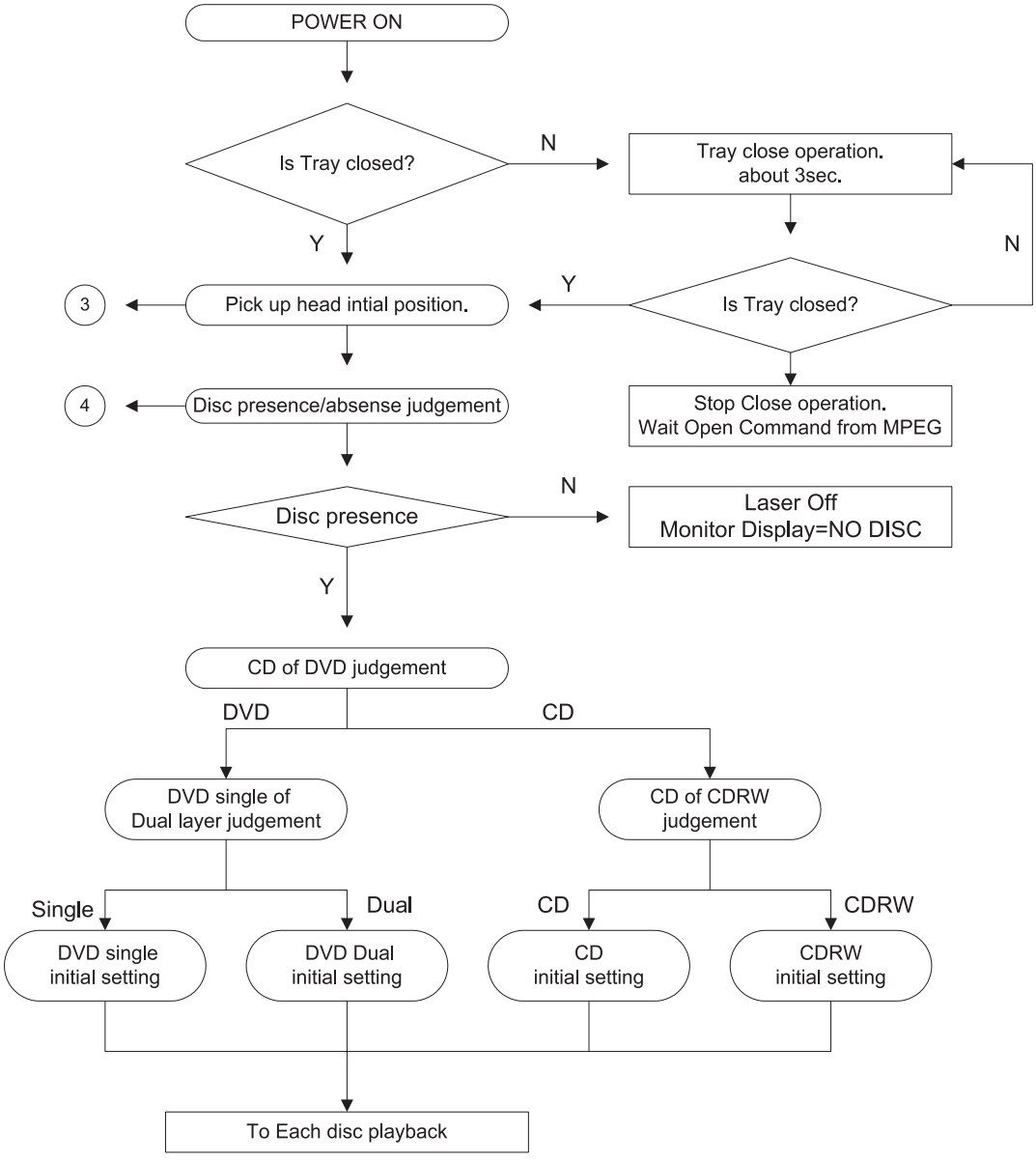
1.Main(Power)

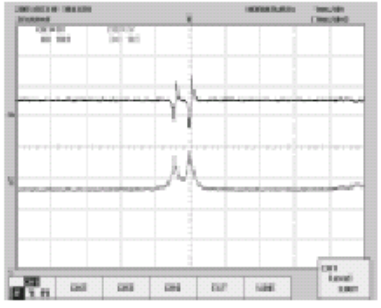


2.Output

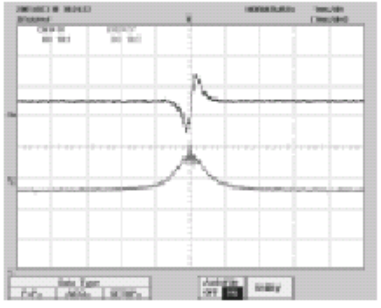

Check Voltage at AMP PCB J1 is about 32V?
NO
Check connector J1
Check T4 (Trans)
Check BD1, F1(Fuse)
YES
Check audio channel at U1(PS9818) PWM signal
NO
Check Voltage for
; 3.3 V
; 2.5 V (FB4,BEAD)
NO
Replace U1 (Modulator IC PS9818)
YES
Check Voltage at U1 DVDD
(pin #91,80) ; 2.43V
YES
Check
IC1FR,IC1FC,IC1RR
IC1C,IC1S is broken?
NO
Check for COIL
L1FR,L1FL,L1C,L1S,L1RL,L1RR
L2FR,L2FC,L2C,L2S,L2RC,L2RR
(OPEN or SHORT ?)
YES
Replace POWER stage IC

1. Initial operation after power ON



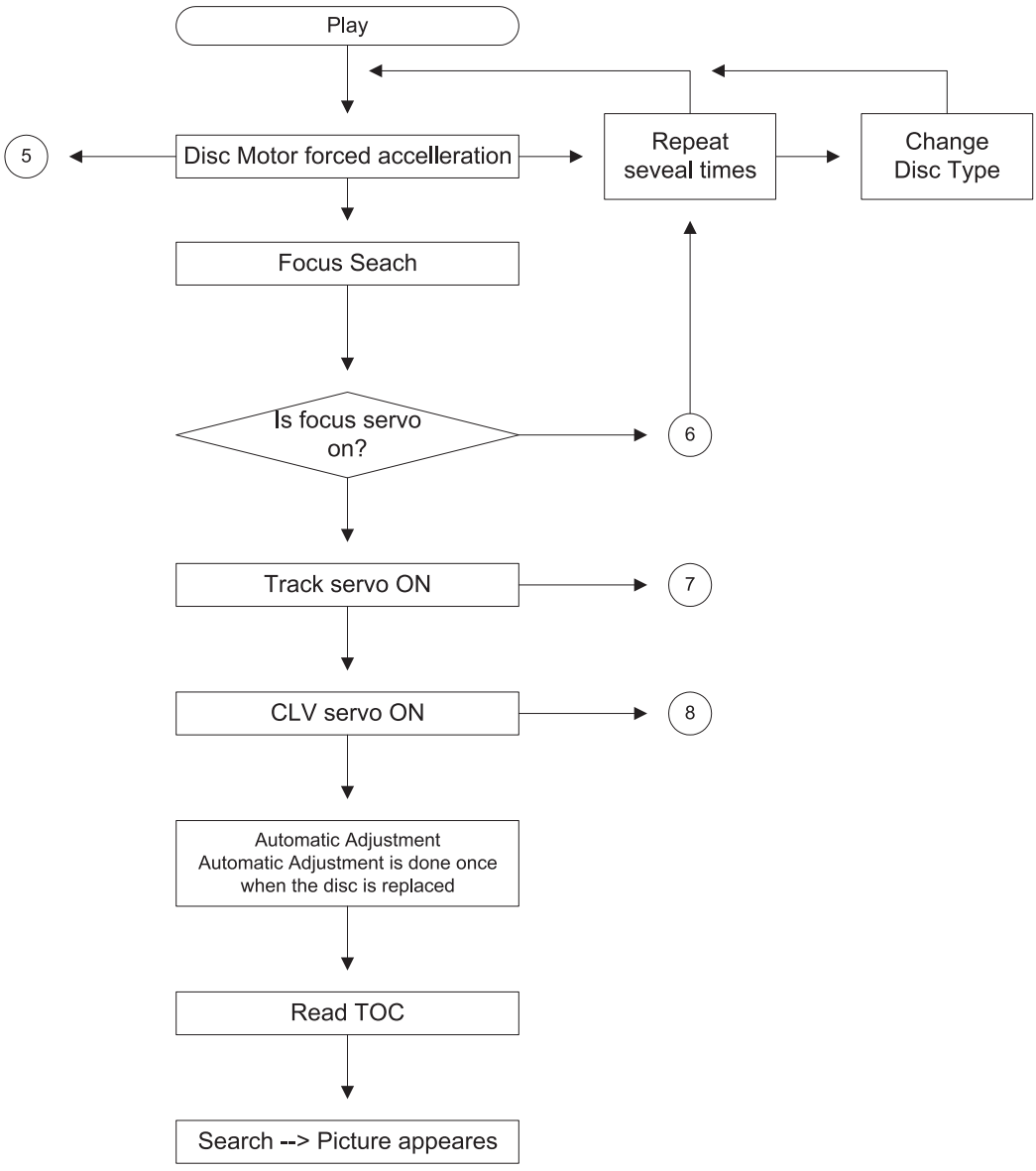


(DVD Dual)



(DVD Single)

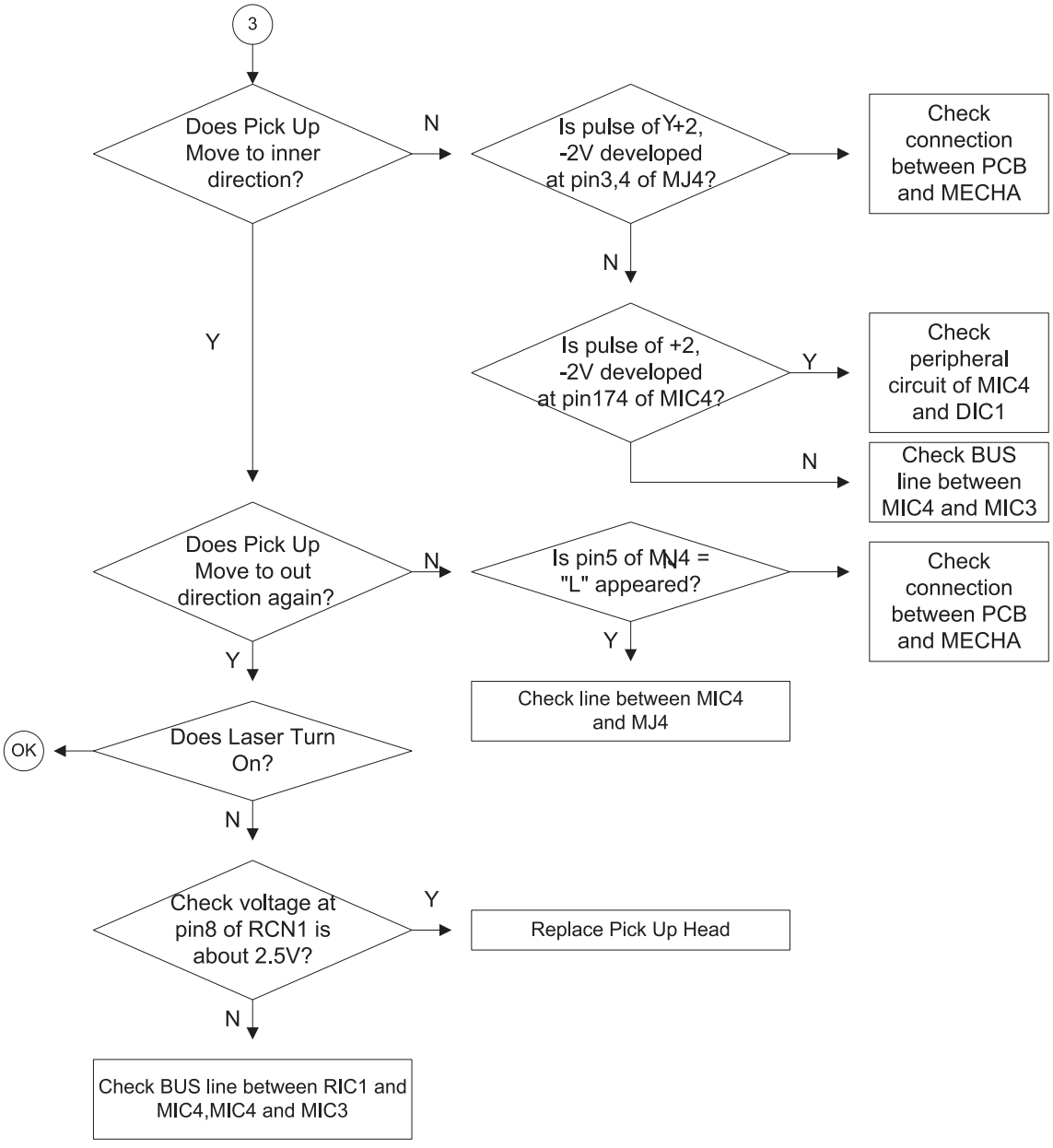
2. Play operation



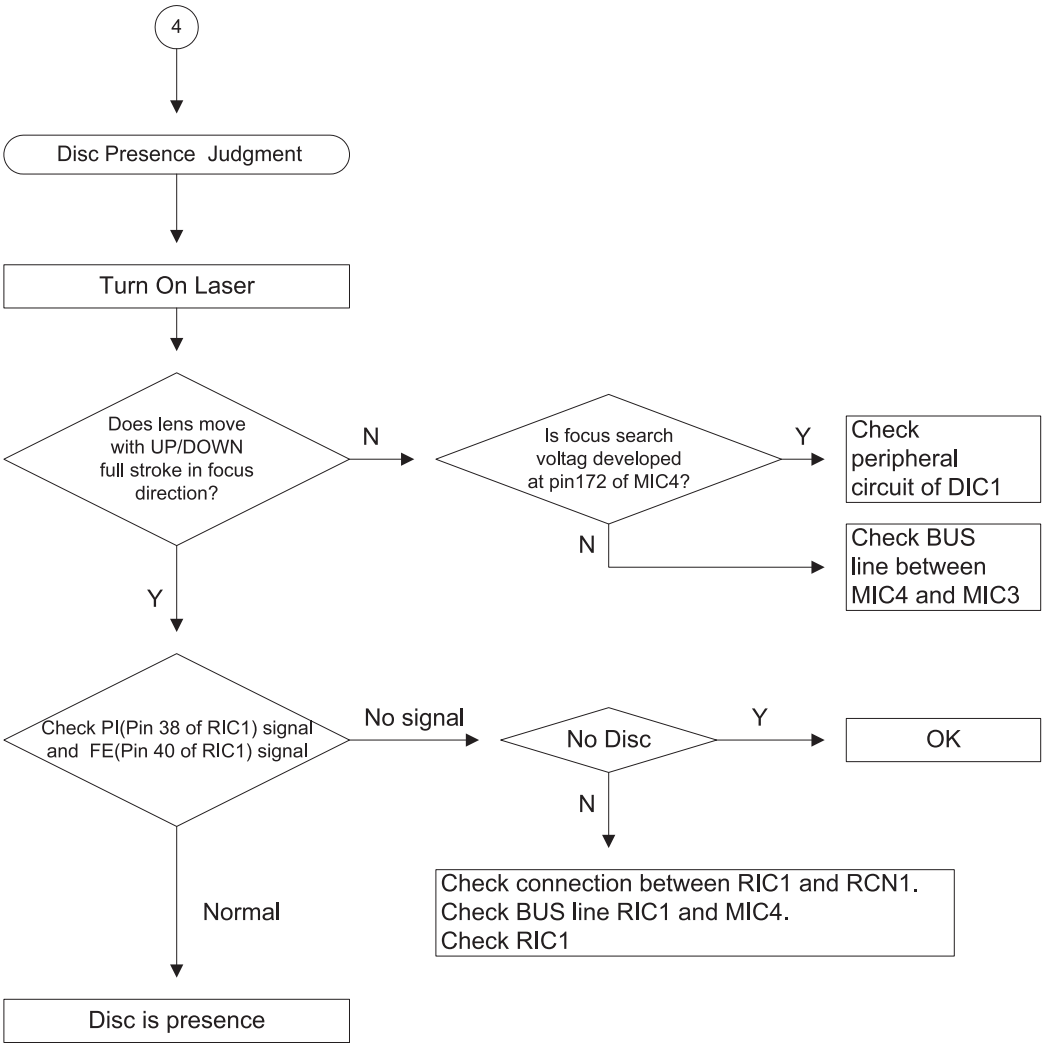
3. PickUp Head Initial Postion

PickUp Head Initial Postion

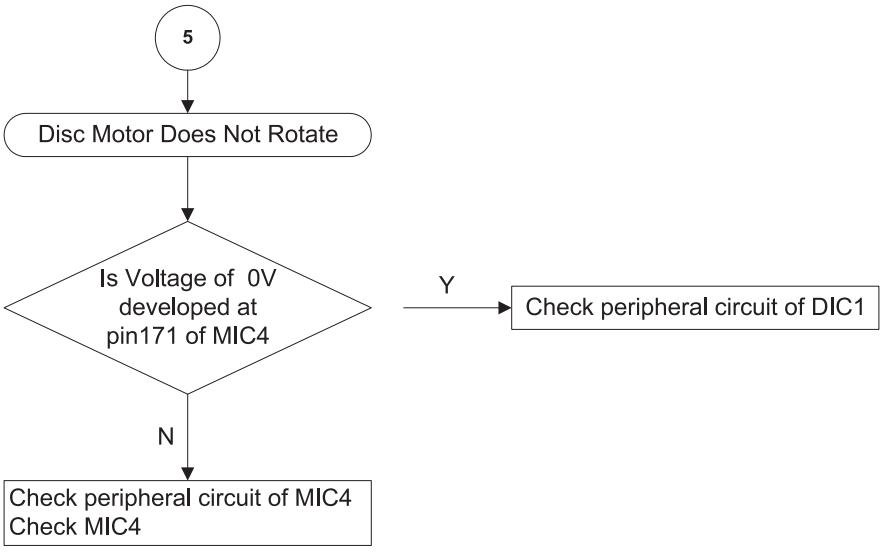
1. Move Pick Up Head to inner diretion until pin5 of MJ4="L"
2. If pin5 of MJ4="L", then move Pick Up Head to outer diretion for a short time.
3. Ture On the Laser of Pick Up Head to judge that disc is presence or not.


3
Does Pick Up Move to inner direction?
N
Is pulse of +2, -2V developed at pin3,4 of MJ4?
Y
Check connection between PCB and MECHA
N
Y
Is pulse of +2, -2V developed at pin174 of MIC4?
Y
Check peripheral circuit of MIC4 and DIC1
N
Check BUS line between MIC4 and MIC3
Does Pick Up Move to out direction again?
N
Is pin5 of MJ4 = "L" appeared?
N
Check connection between PCB and MECHA
Y
Y
Check line between MIC4 and MJ4
OK
Does Laser Turn On?
N
Check voltage at pin8 of RCN1 is about 2.5V?
Y
Replace Pick Up Head
N
Check BUS line between RIC1 and MIC4,MIC4 and MIC3

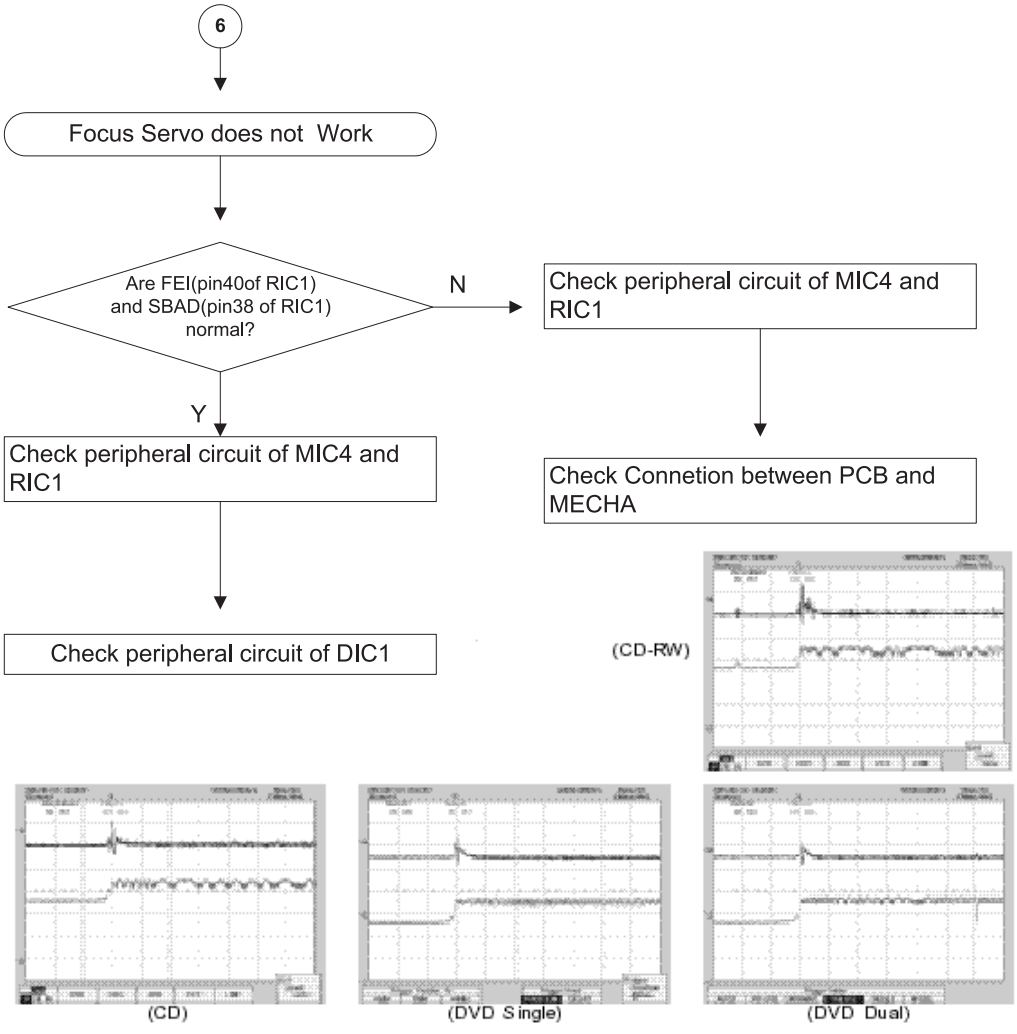
4. Disc Presence/Absense Judgment



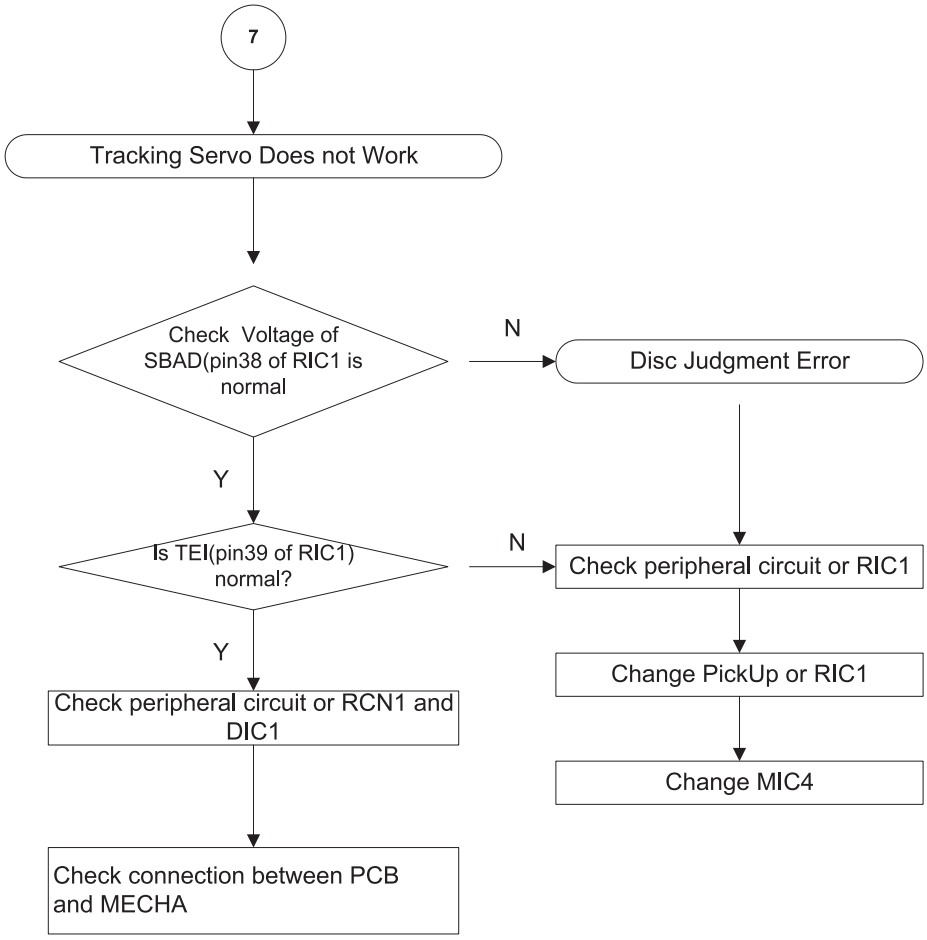
5. Disc Motor Does Not Rotate

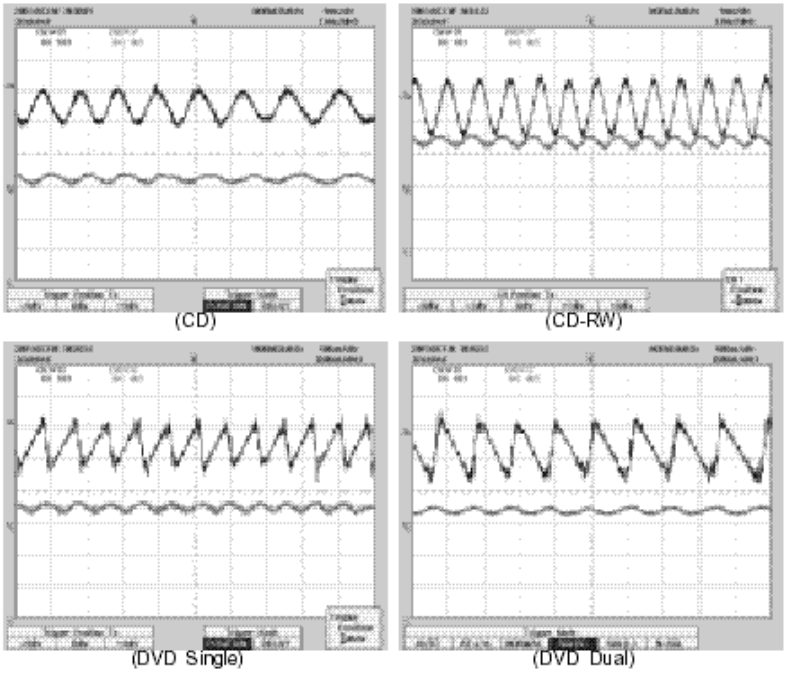


6. Focus Servo does not Work

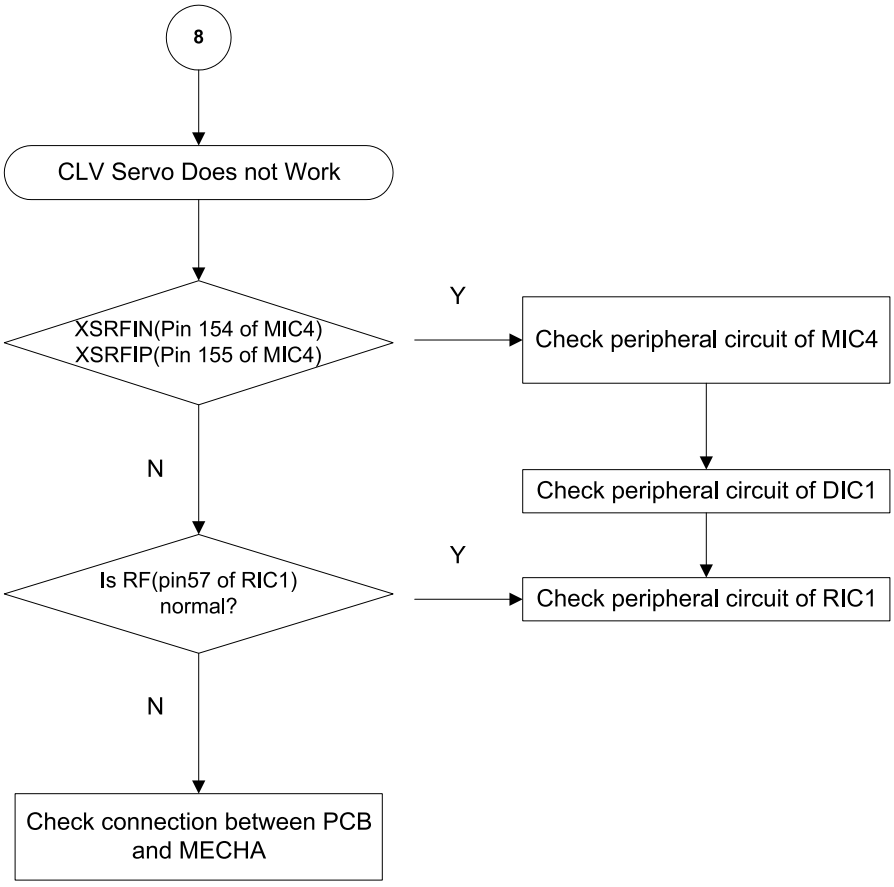


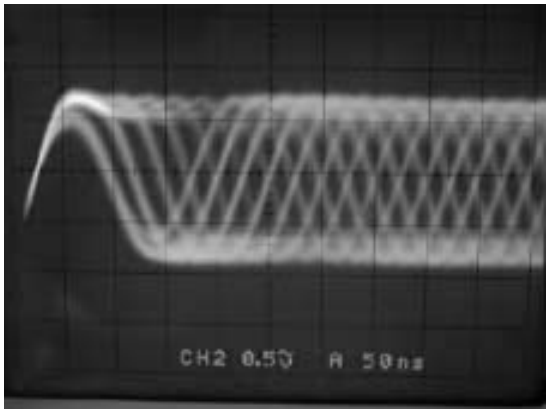
7. Tracking Servo Does Not Work





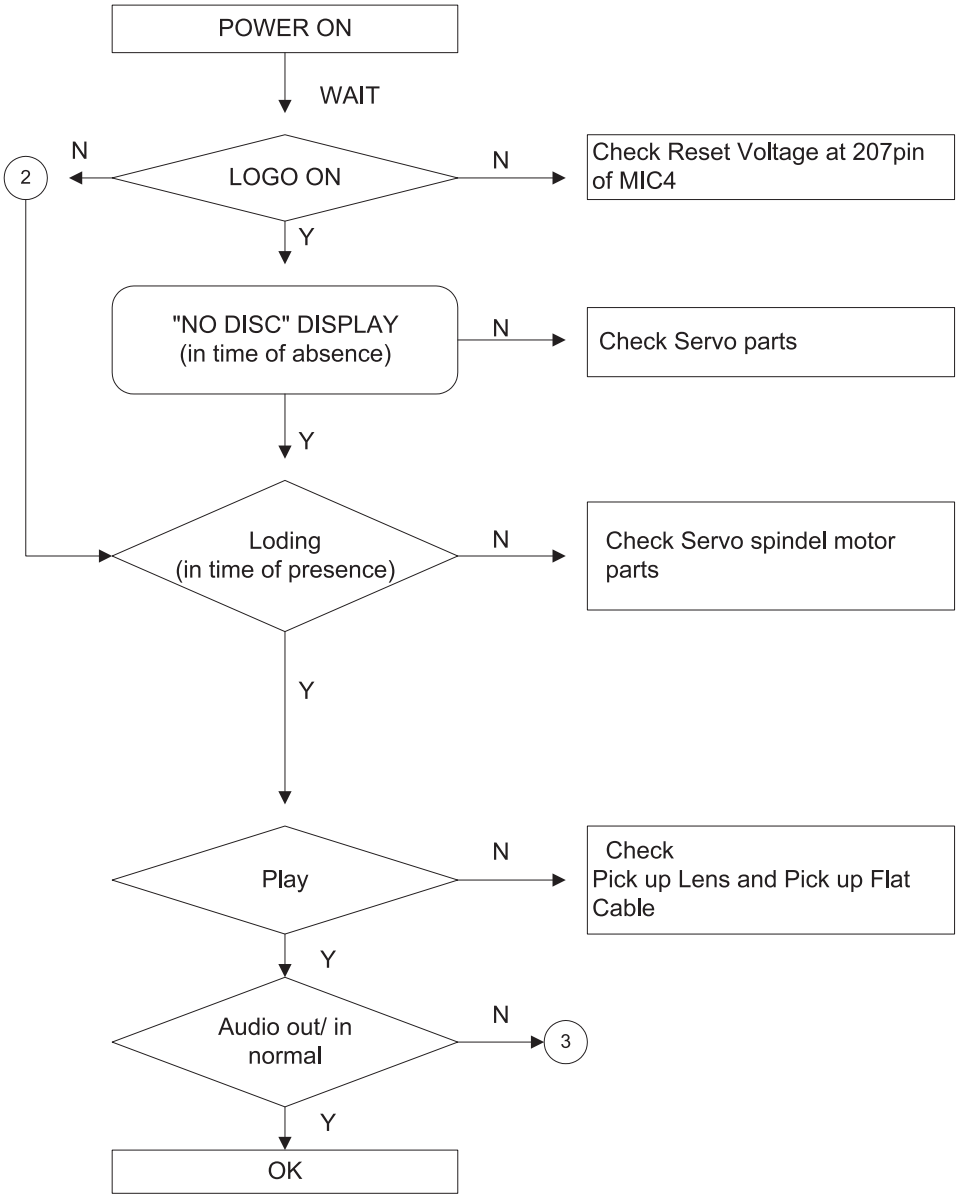
8. CLV Servo Does Not Work



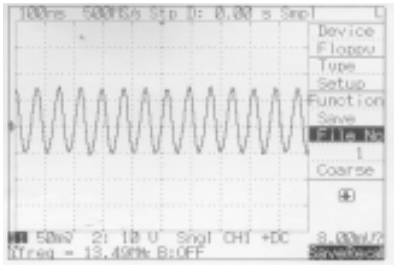


RF Signal

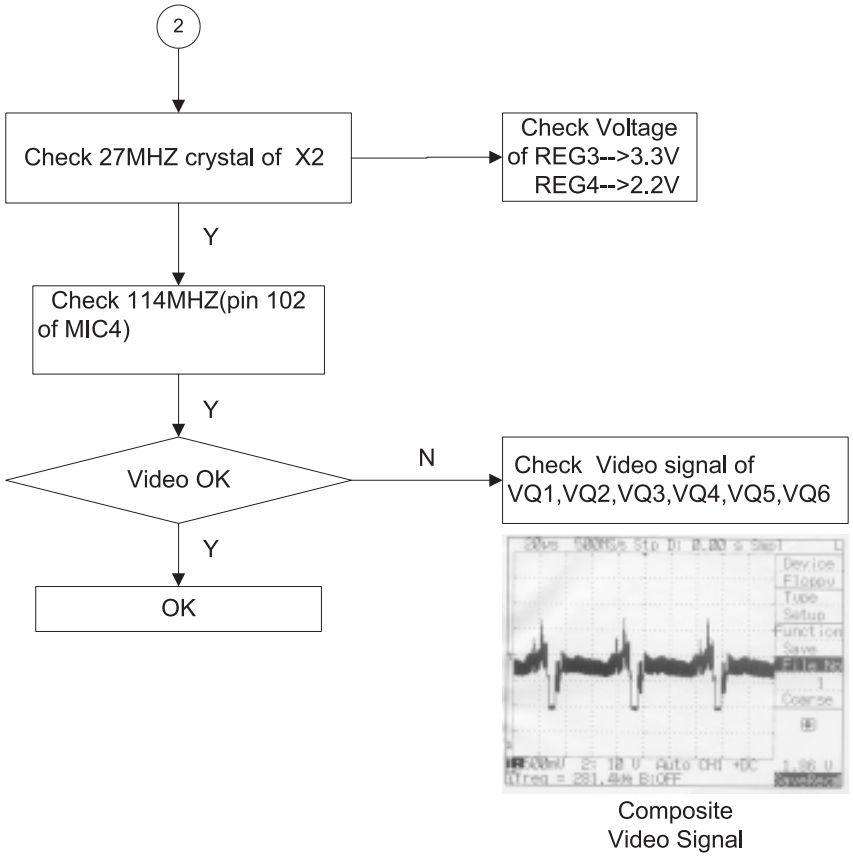
1. Initial operation after NO

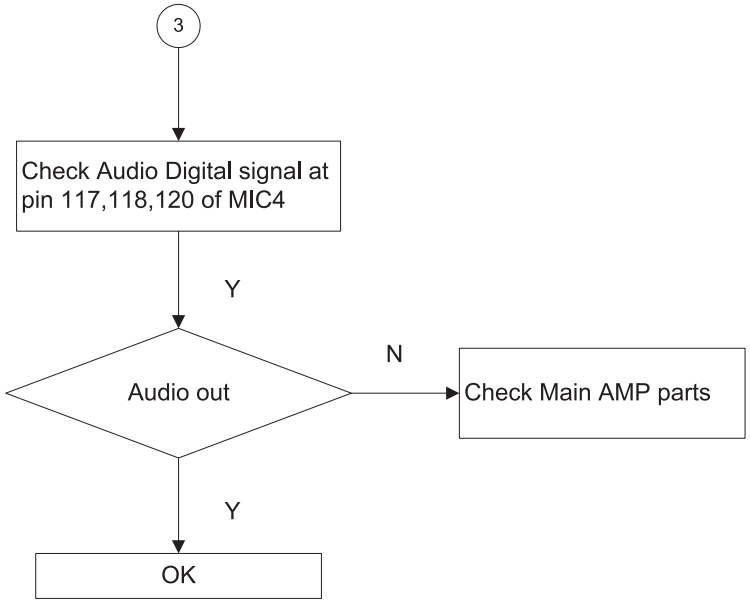


2. Logo operation



27MHZ



Composite
Video Signal

3.Audio operation